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Title: Methods, Compositions and Kits for Biological Indicator of Sterilization Inventors: Ira Cecil Felkner, et al. Appl. No.: 10/091,260
 Atty Docket No. 61-2US Cust. No. 000570

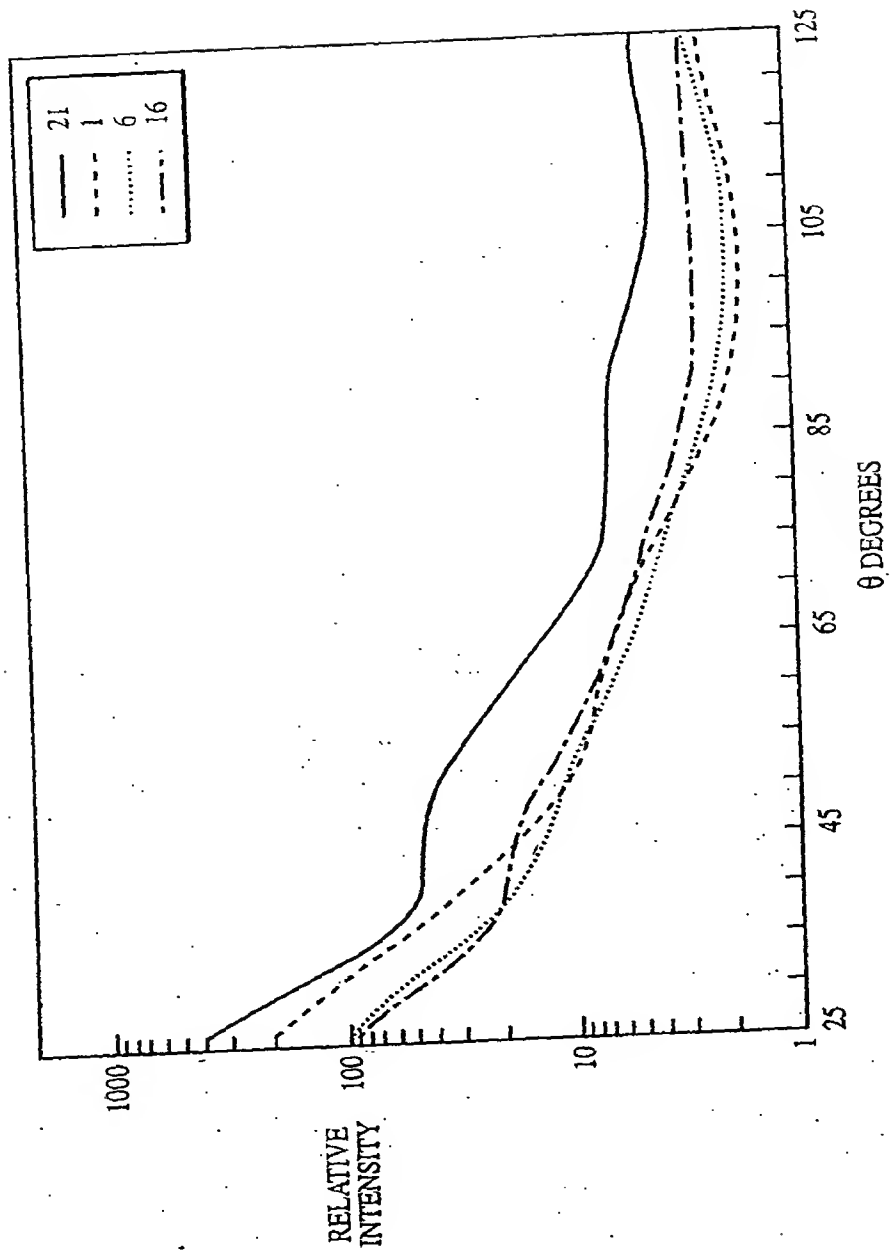
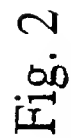


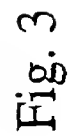
Fig. 1

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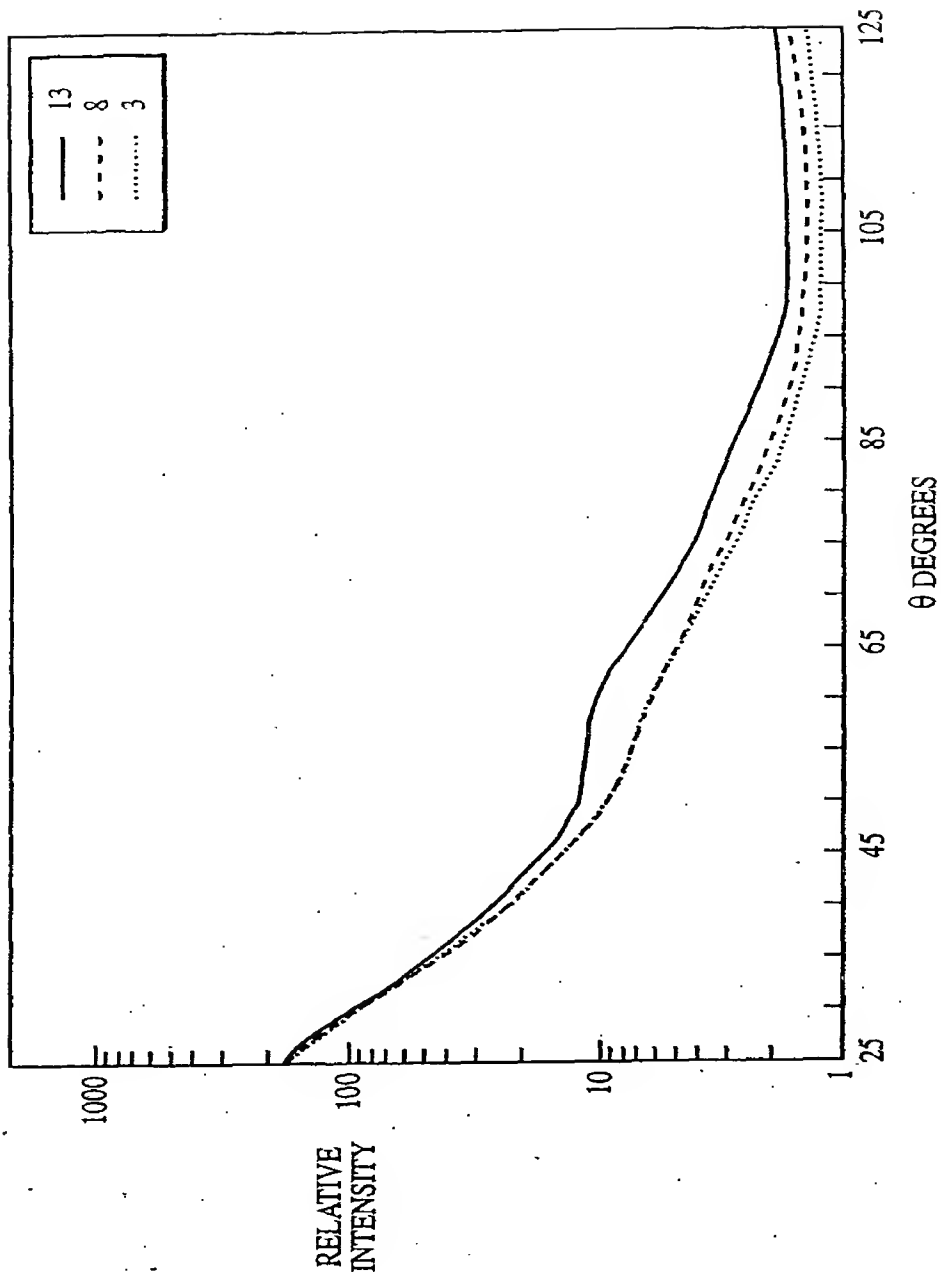
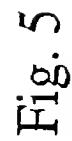


Fig. 4





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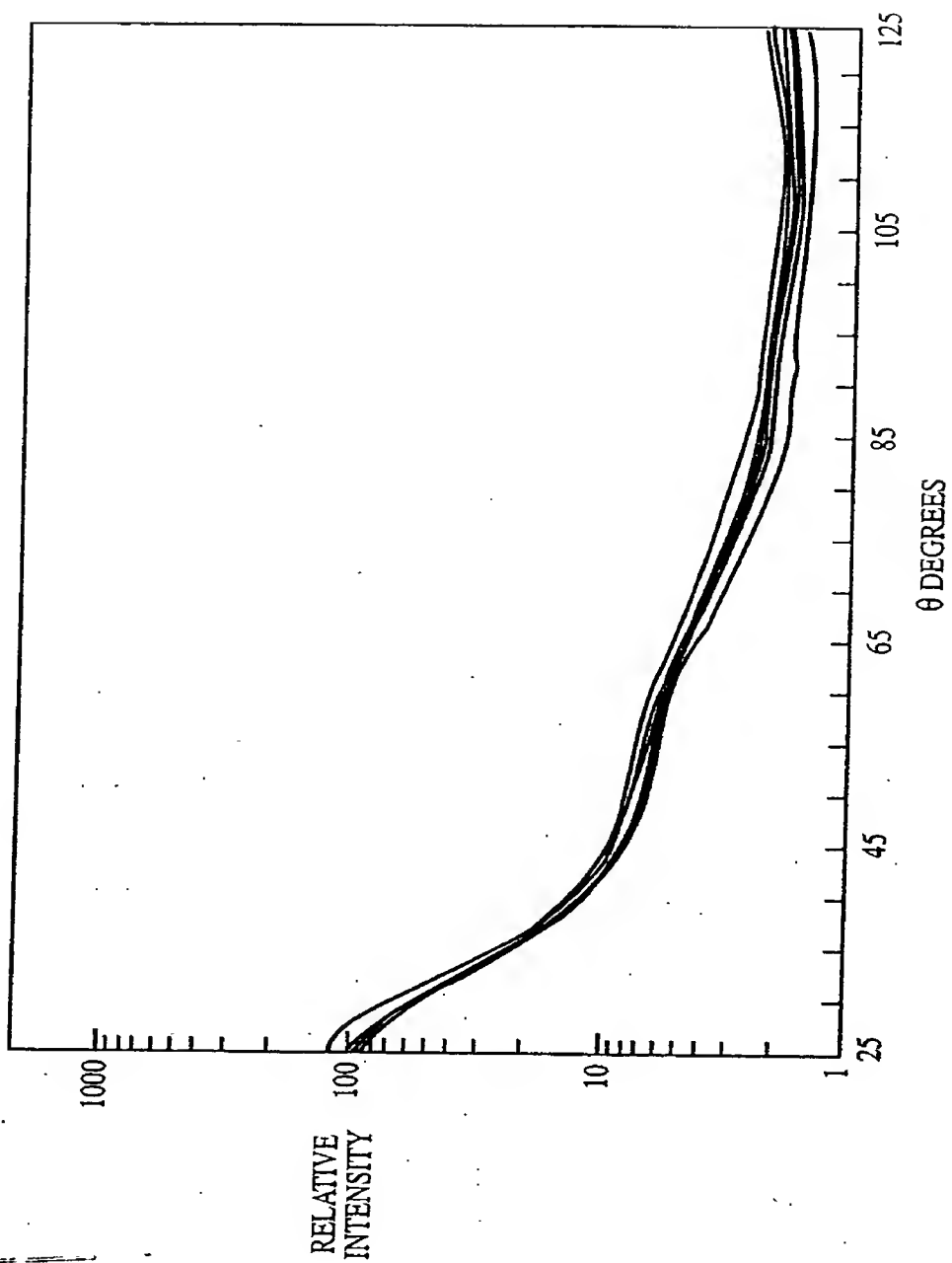
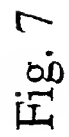


Fig. 6

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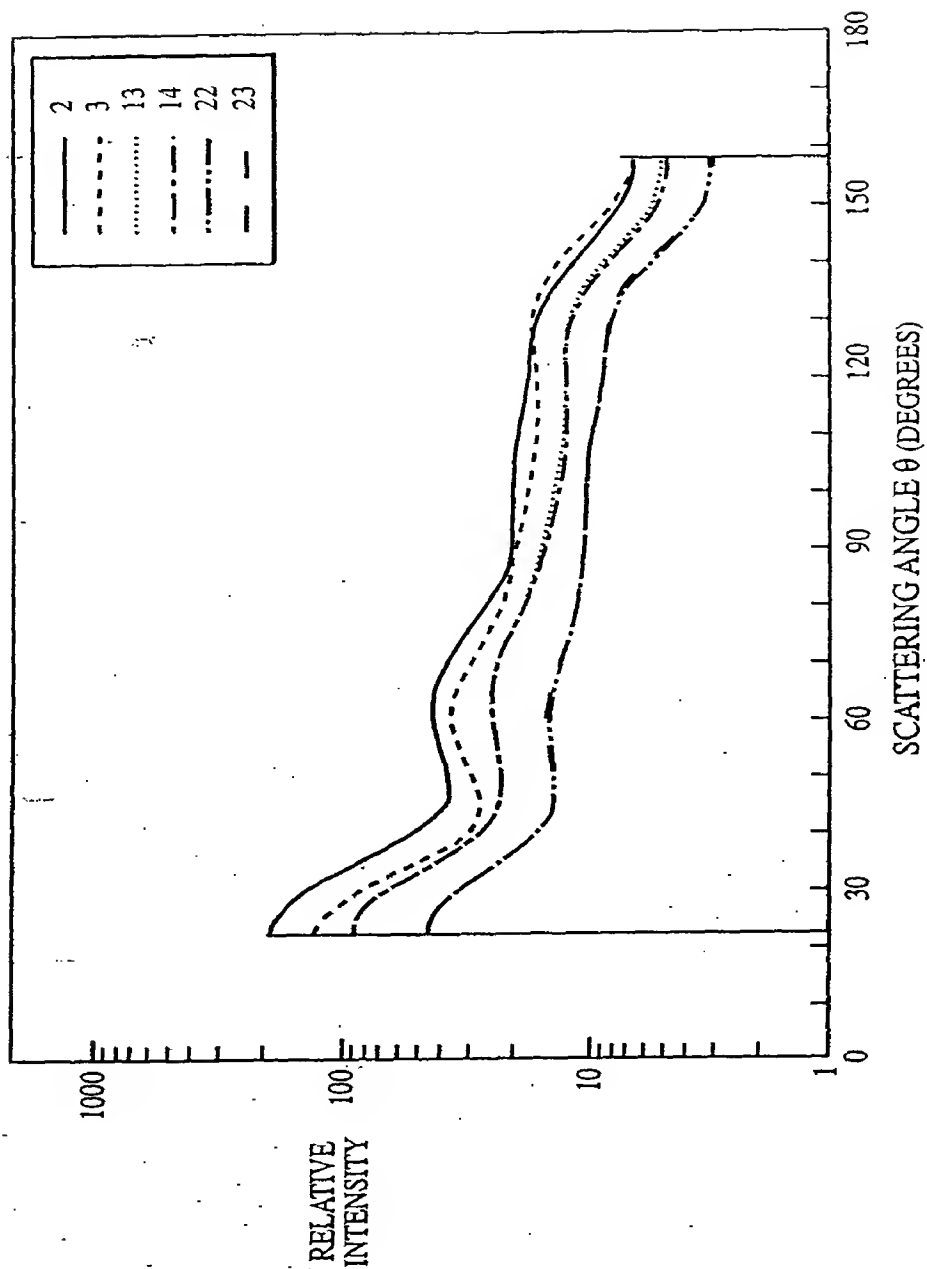


Fig. 8A

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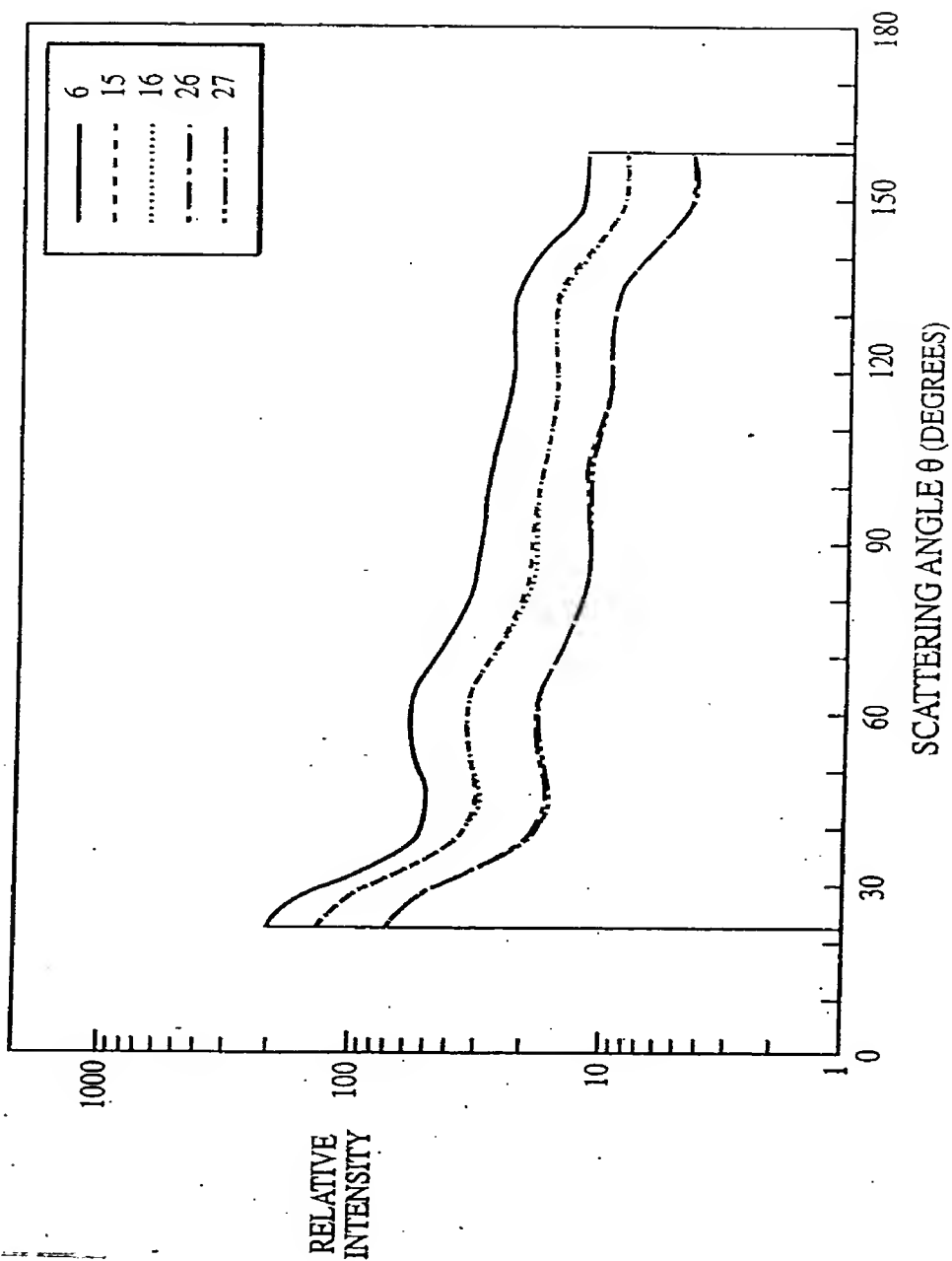


Fig. 8B

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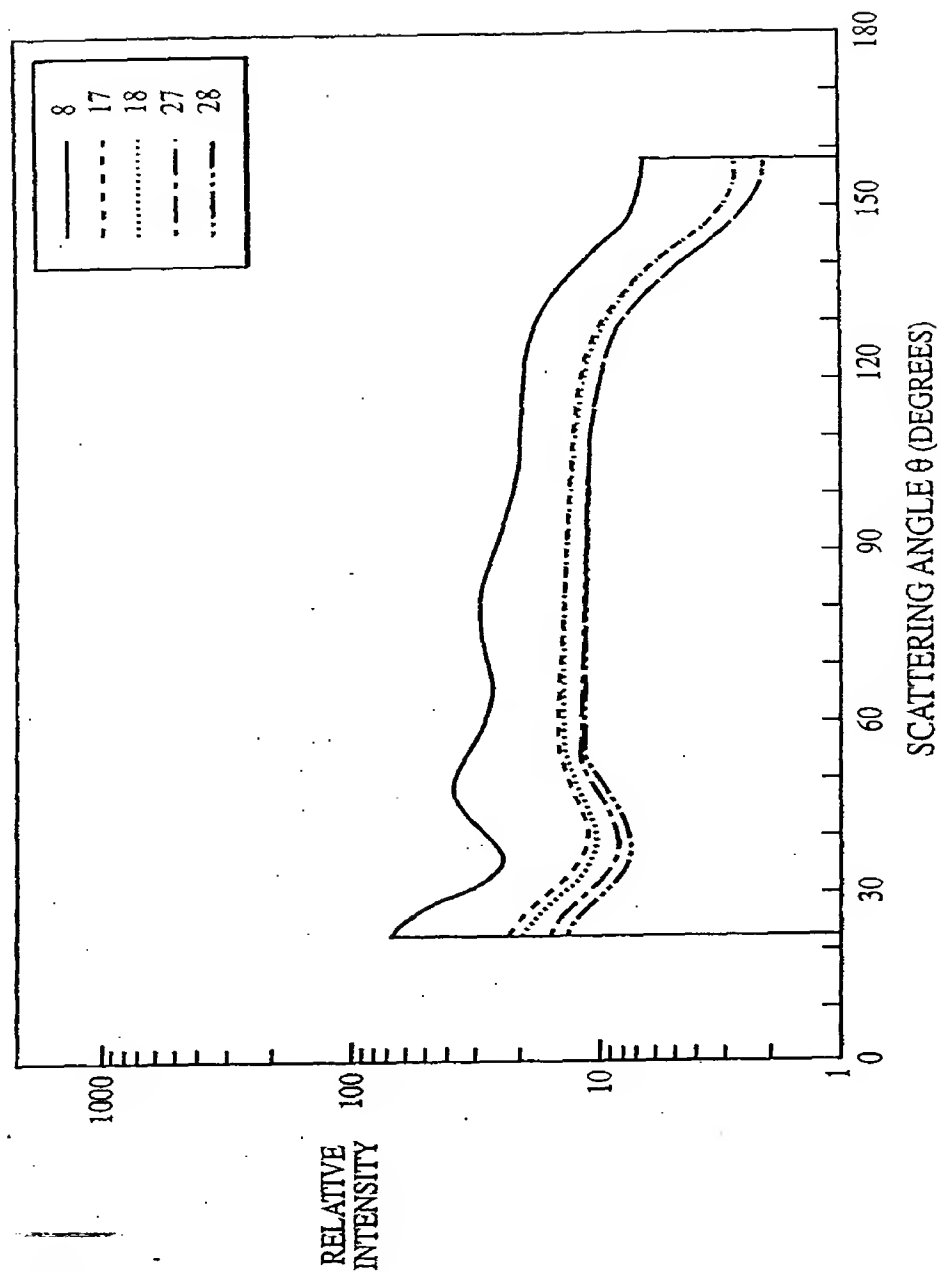


Fig. 8C

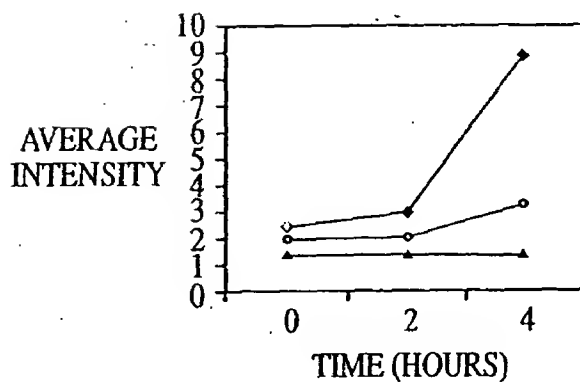


Fig. 9A

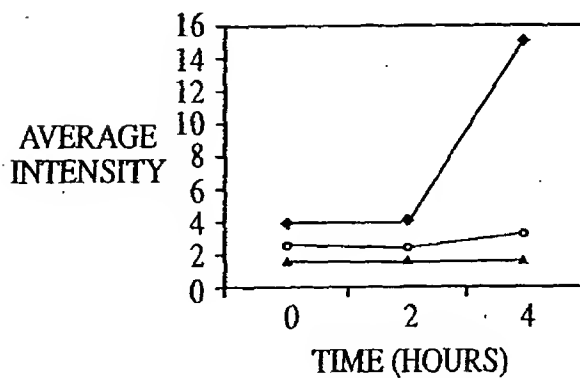


Fig. 9B

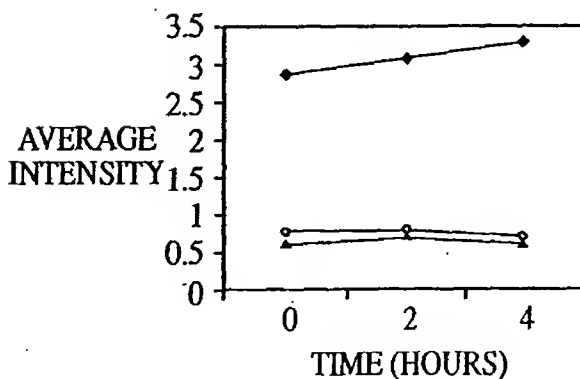
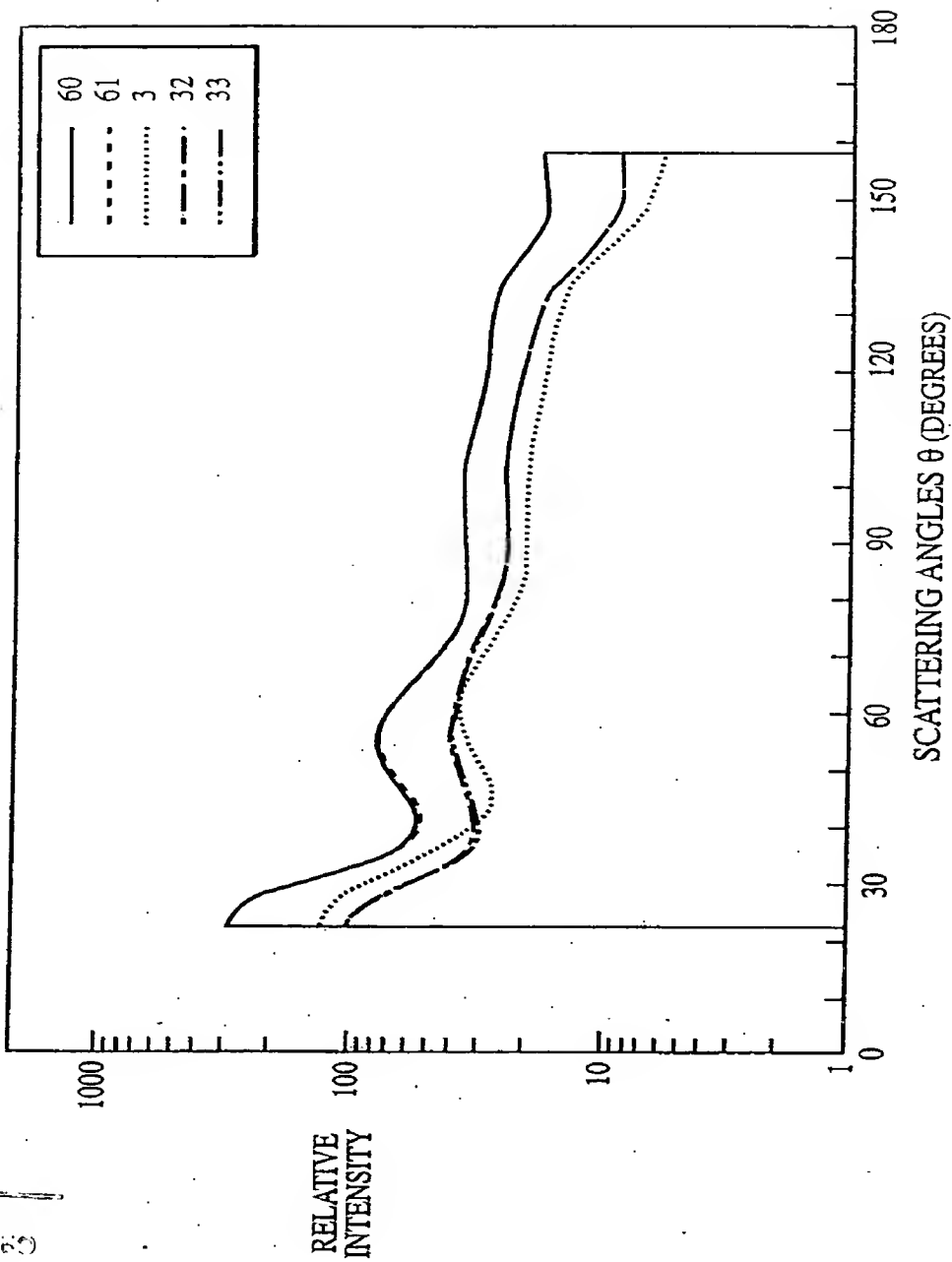


Fig. 9C



Title: Methods, Compositions and Kits for Biological Indicator of Sterilization Inventors: Ira Cecil Felkner, et al. Appl. No.: 10/091,260
Atty Docket No. 61-2US Cust. No. 030576

Fig. 10



Methods, Compositions and Kits for Biology

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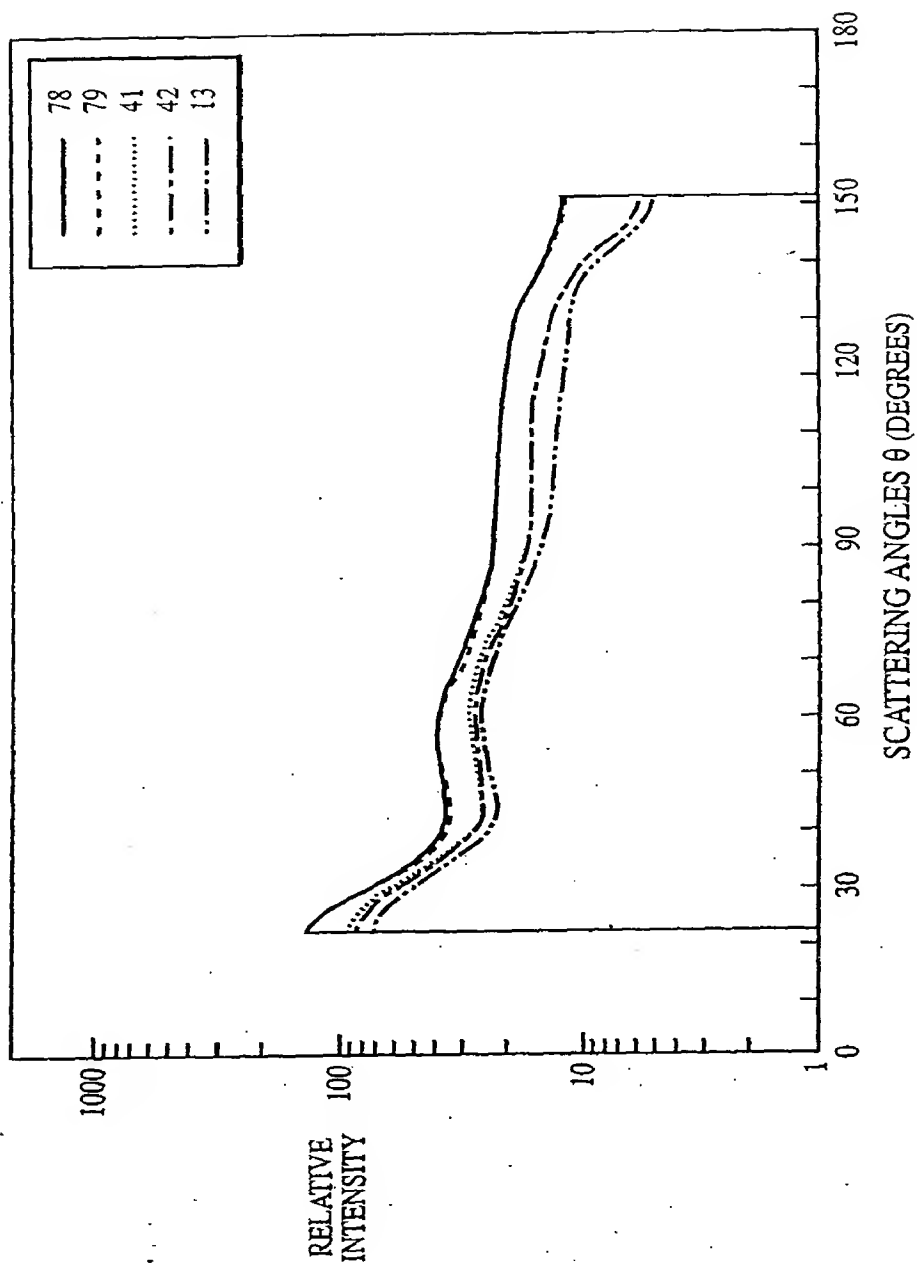


Fig. 11

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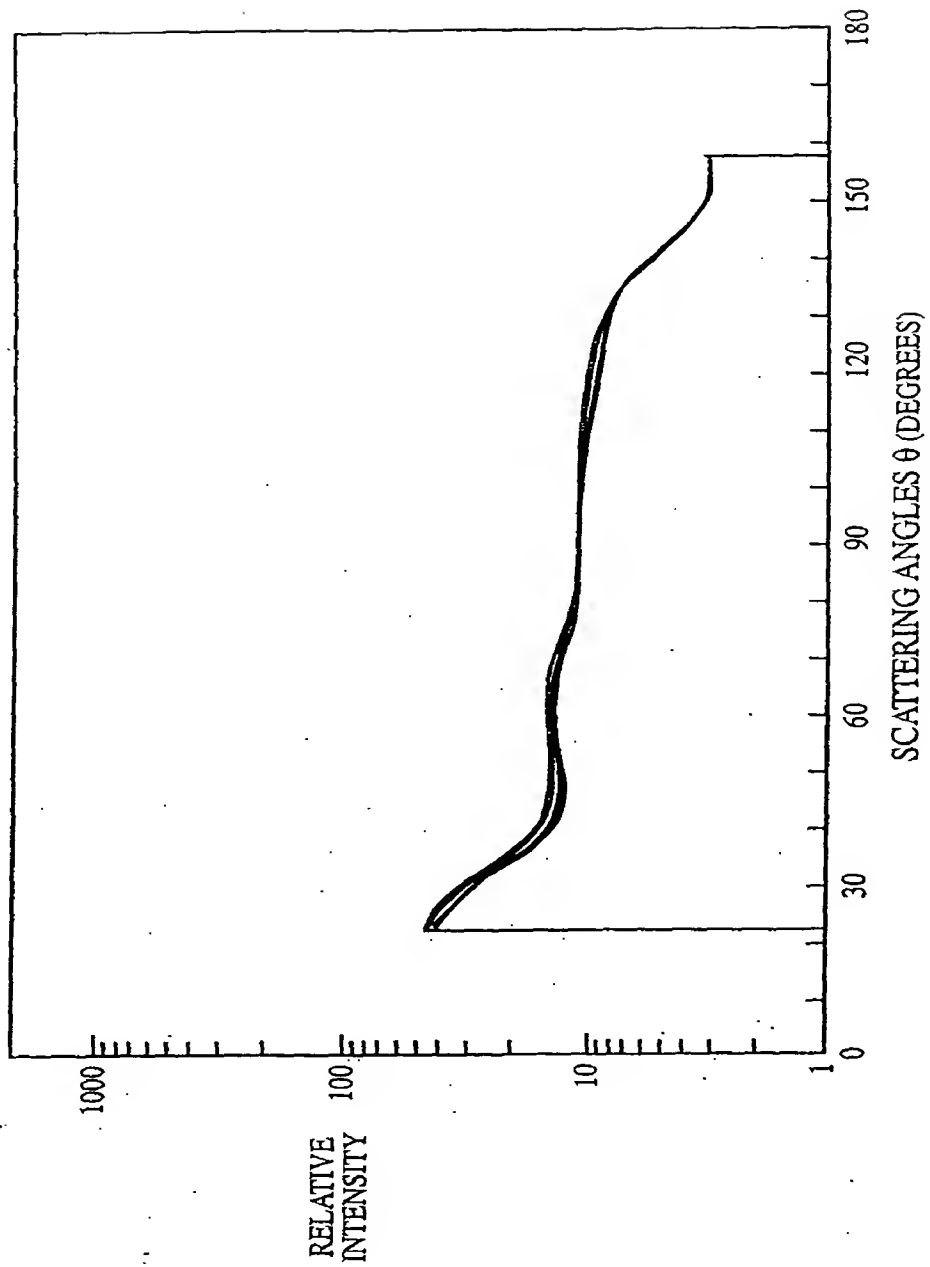


Fig. 12

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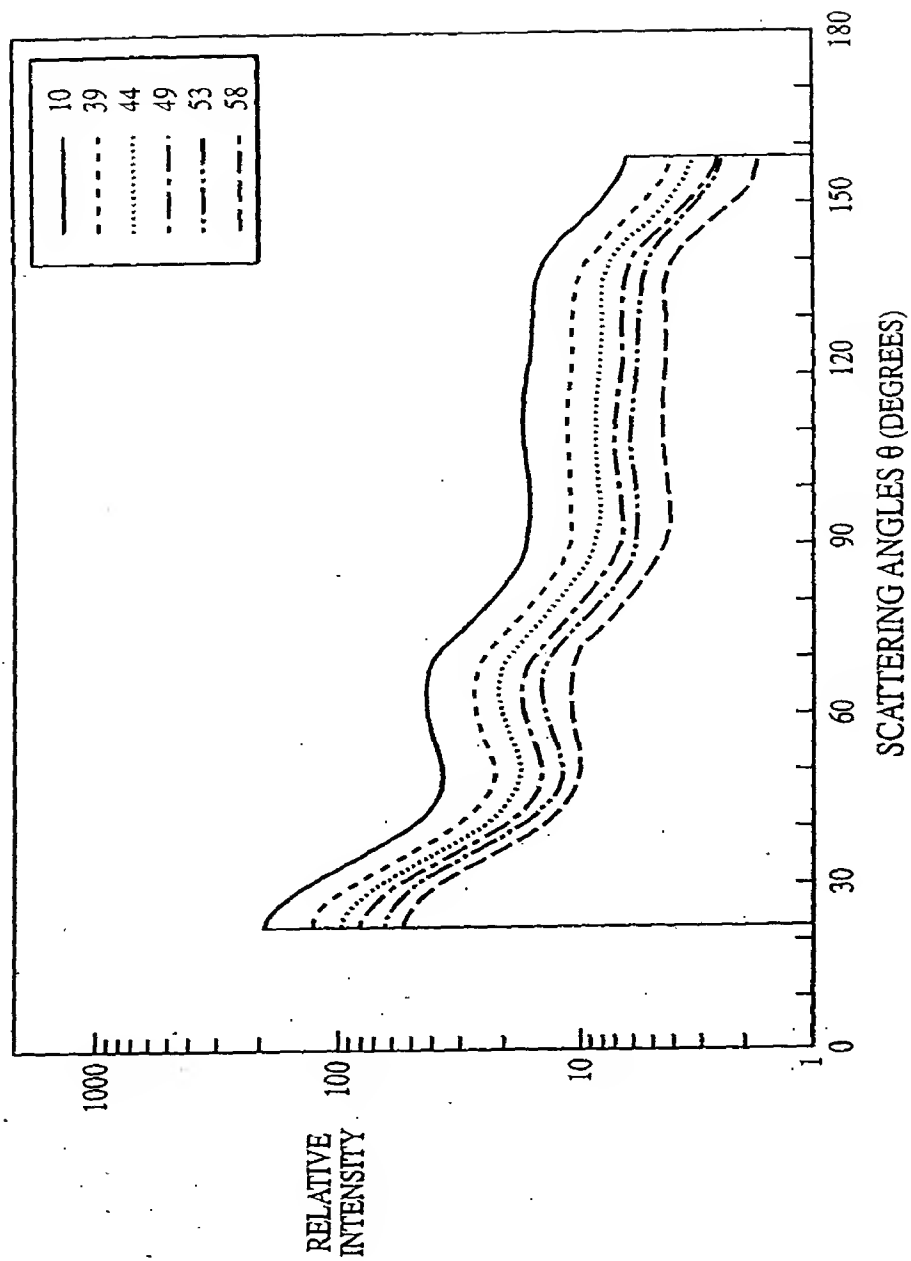
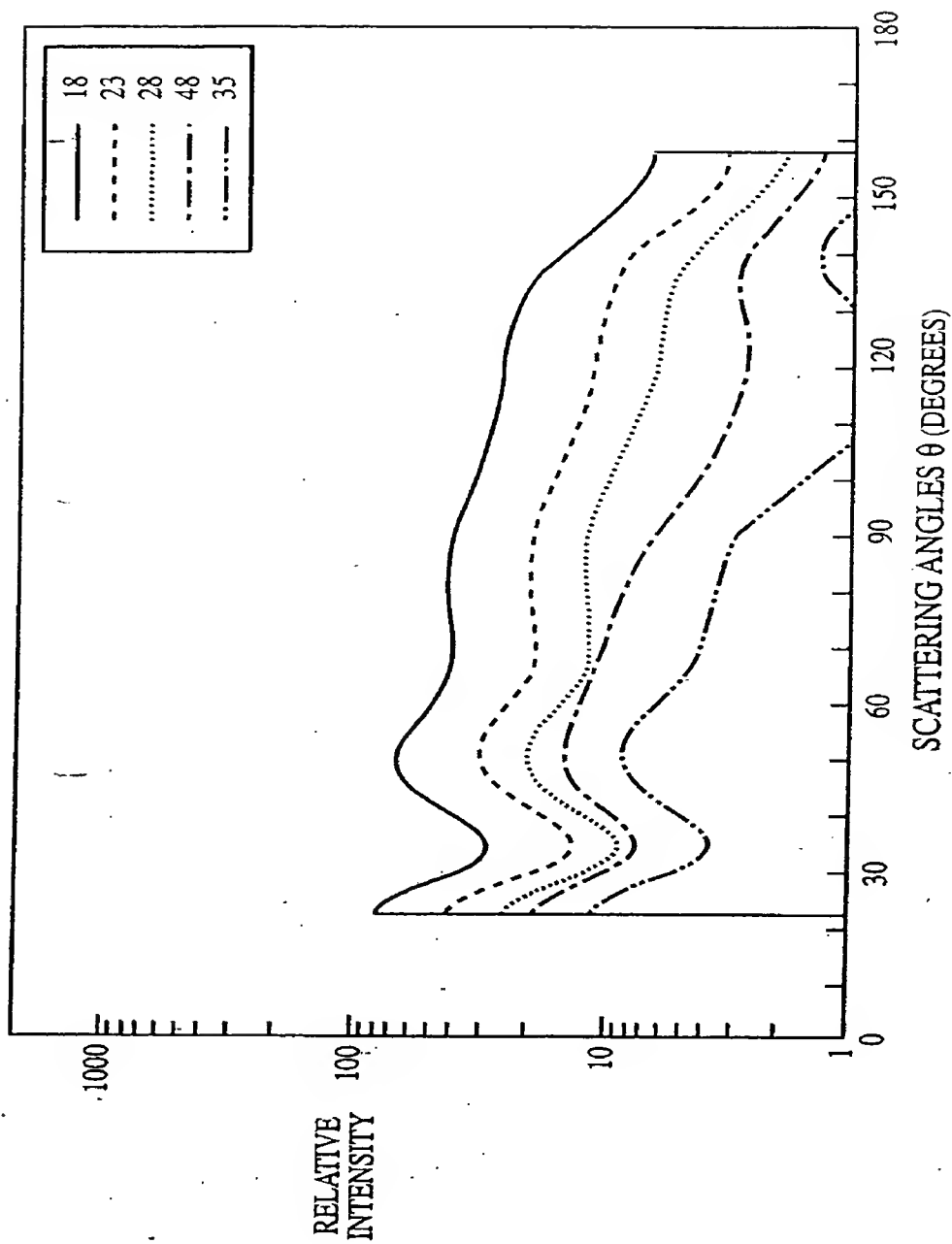
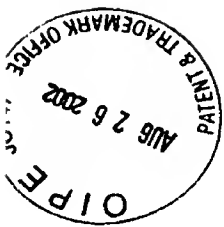


Fig. 13

Fig. 14



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 (Indicate date)

REPLICATES OF ICF SAMPLES

Replicates of ICF Samples

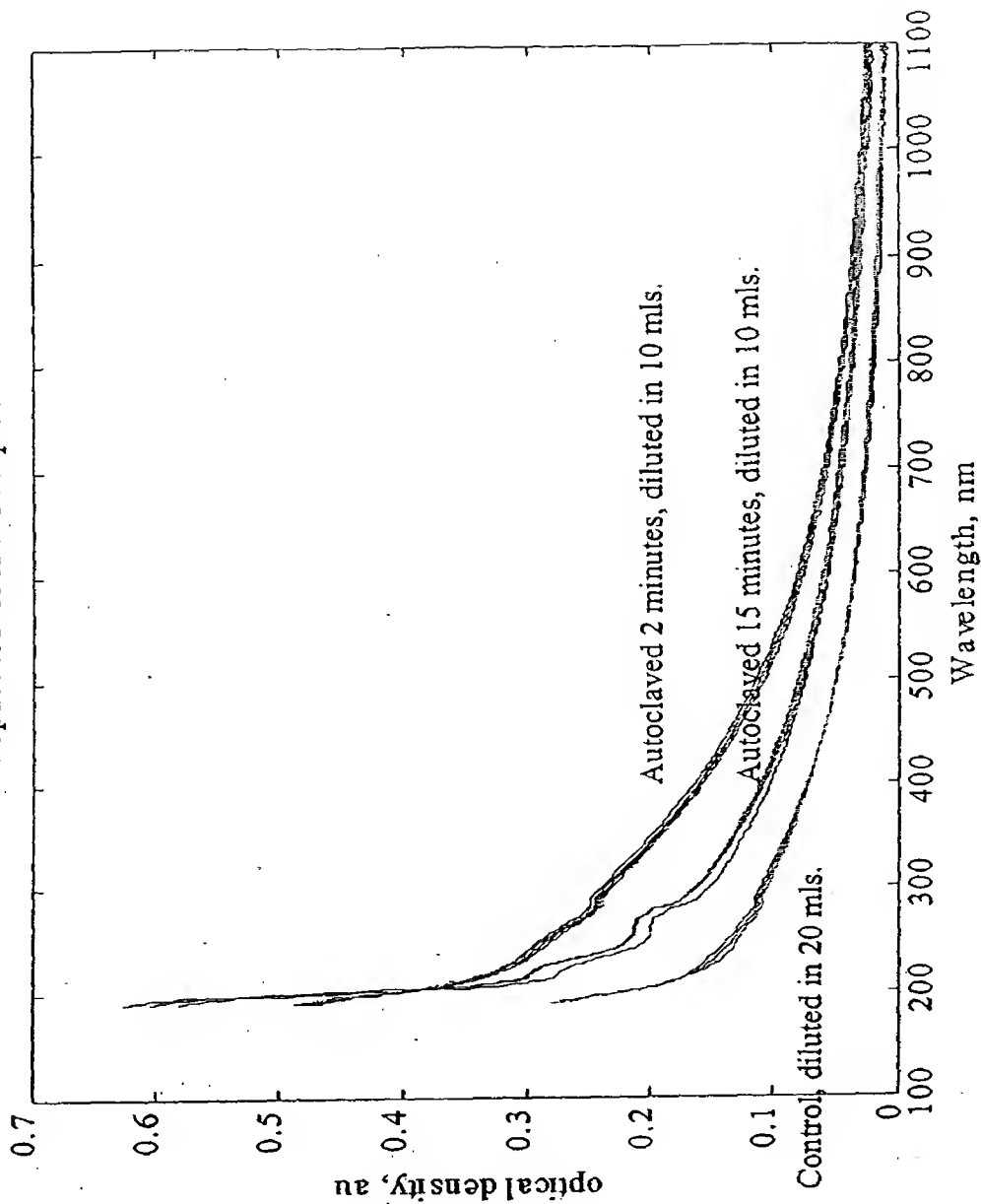


Fig. 15



RESULTS PROBLEM No:	Time 2 hours	Time 3 hours
ESTIMATES FOR A SINGLE POPULATION		
Mie Average Diameter (cm)	= 2.570334E-04 +/- 3.302753E-05	= 2.672413E-04 +/- 7.599205E-06
Concentration (g/mL) meas.	= 2.028209E-06	= 9.346907E-06
Concentration (g/mL) calc.	= 2.028209E-06 +/- 2.261741E-07	= 9.346907E-06 +/- 2.200983E-07
Particle No (#/mL)	= 228110.500000	= 935316.800000
RESULTS PROBLEM No:		
ESTIMATES FOR A SINGLE POPULATION		
Residual sum of squares	= 5.012901E-05	= 2.789136E-03
Res. sum of squares (Norm)	= 2.879399E-01	= 7.187017E-01
Standard Dev. (Residuals)	= 3.019001E-04	= 2.251923E-03
Standard Dev. (Norm. Res)	= 2.288071E-02	= 3.614872E-02
RESULTS PROBLEM No:	Time 4 hours	Time 5 hours
ESTIMATES FOR A SINGLE POPULATION		
Mie Average Diameter (cm)	= 1.969644E-04 +/- 1.826982E-06	= 1.405828E-04 +/- 1.859756E-06
Concentration (g/mL) meas.	= 3.055250E-05	= 2.712445E-05
Concentration (g/mL) calc.	= 3.055250E-05 +/- 2.933861E-07	= 2.712445E-05 +/- 4.164035E-07
Particle No (#/mL)	= 7636334.000000	= 1.864516E+07
RESULTS PROBLEM No:		
ESTIMATES FOR A SINGLE POPULATION		
Residual sum of squares	= 5.679470E-03	= 9.585355E-04
Res. sum of squares (Norm)	= 2.113989E-01	= 8.134952E-02
Standard Dev. (Residuals)	= 3.213458E-03	= 1.320161E-03
Standard Dev. (Norm. Res)	= 1.960514E-02	= 1.216175E-02

Fig. 16





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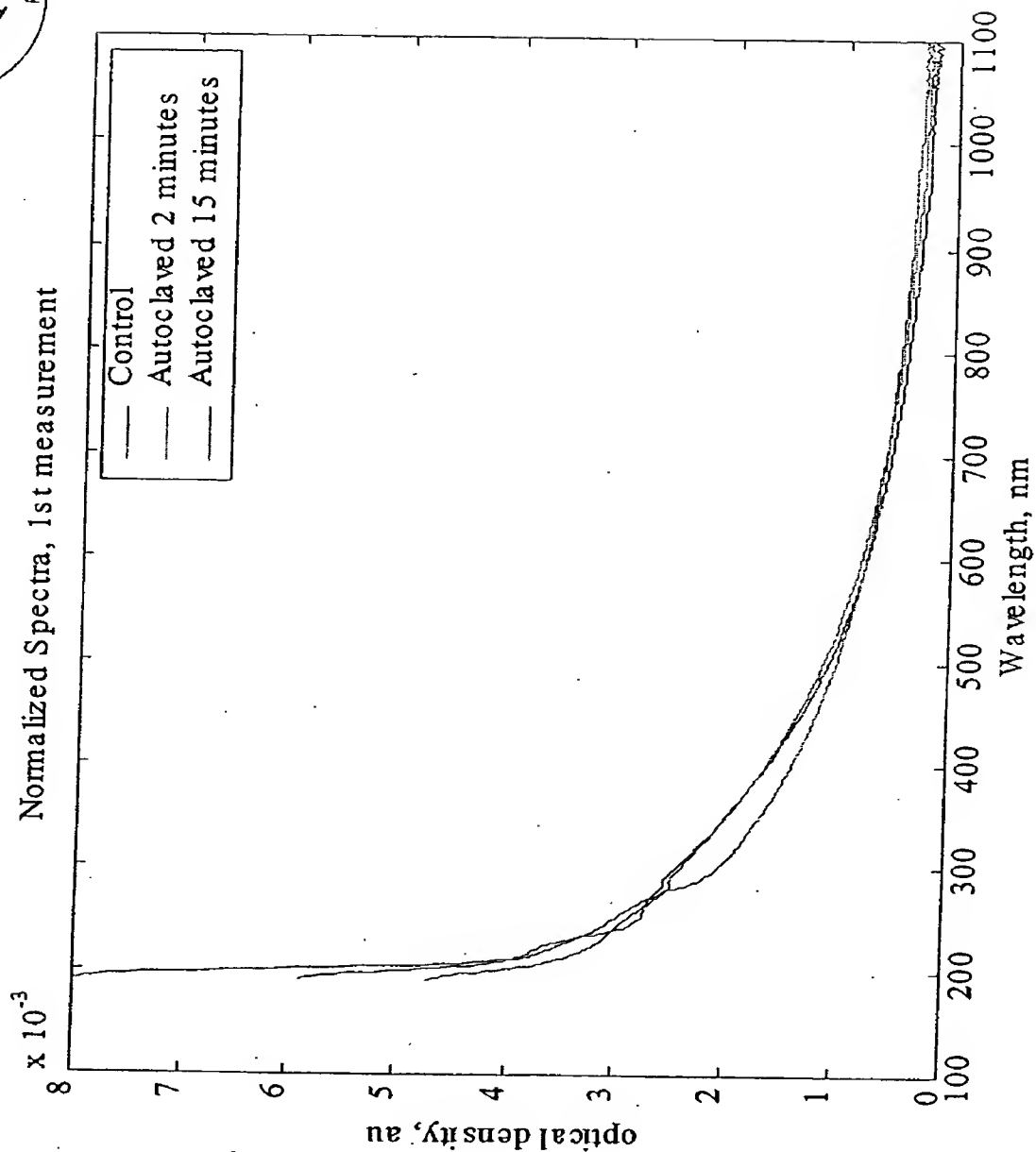


Fig. 17

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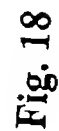


FIG. 19

Fractionation Curve of *B. subtilis* in 0.42% NaCl Solution

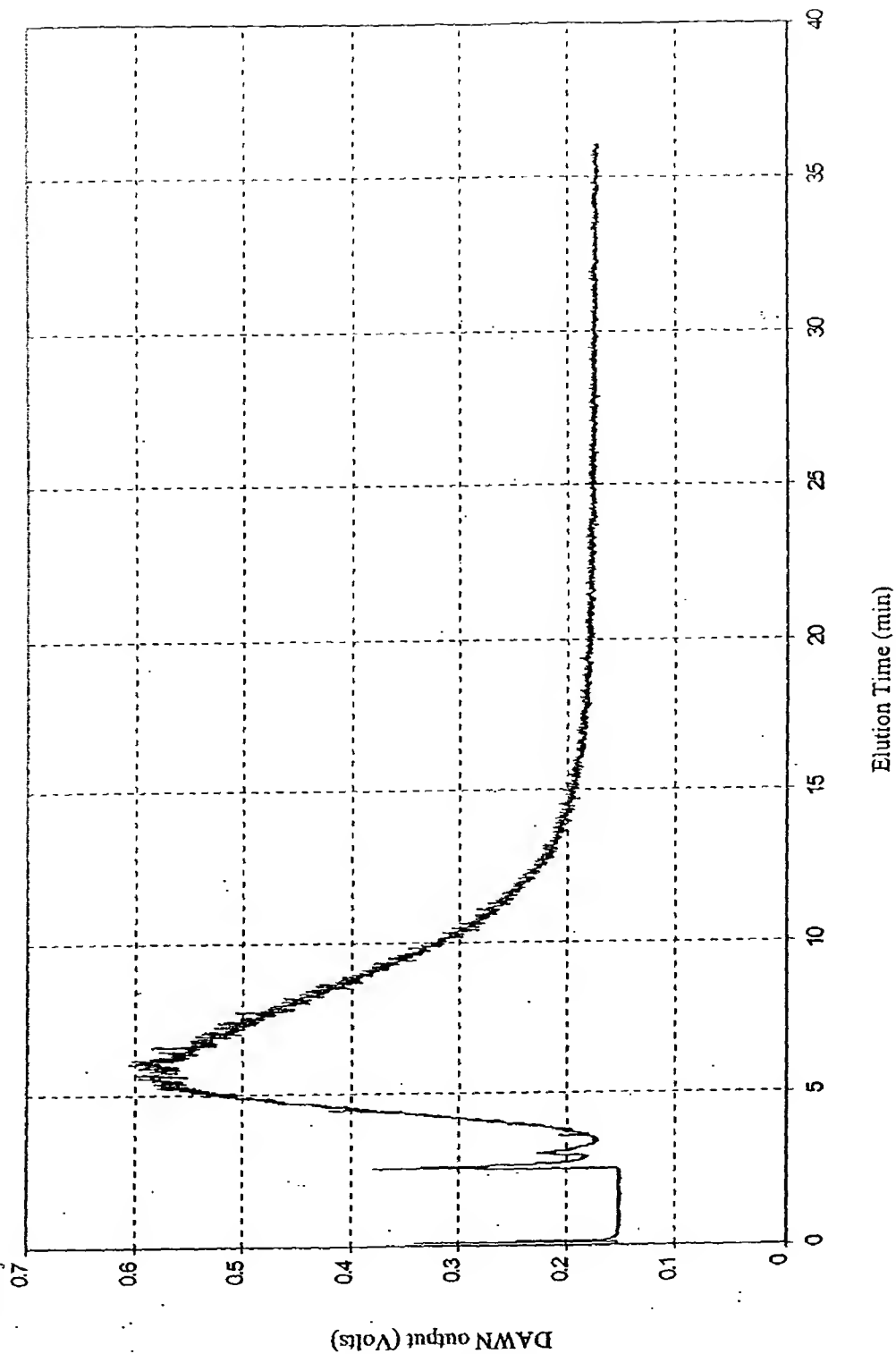


Fig. 19



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Rayleigh Ratio vs. Angles from DAWN -- B subtilis

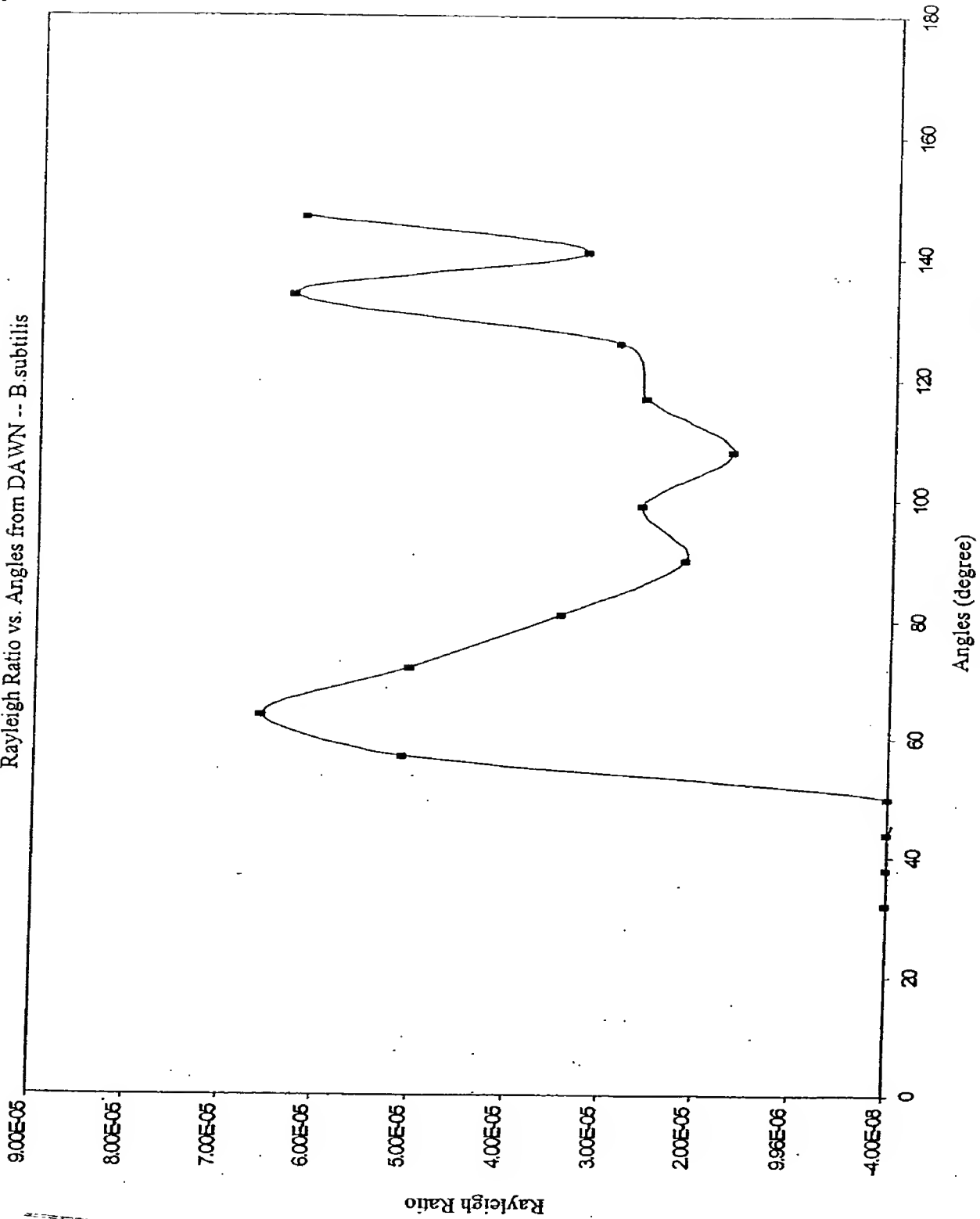


Fig. 20



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Polar plot of *B. globigii*

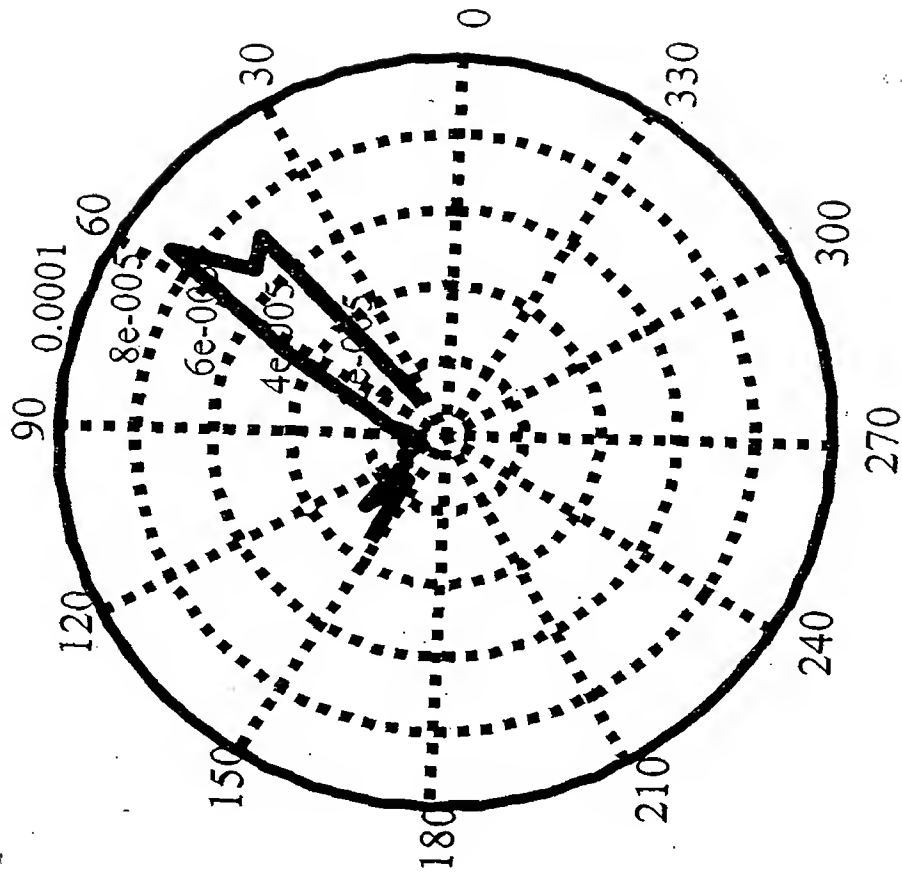


Fig. 21



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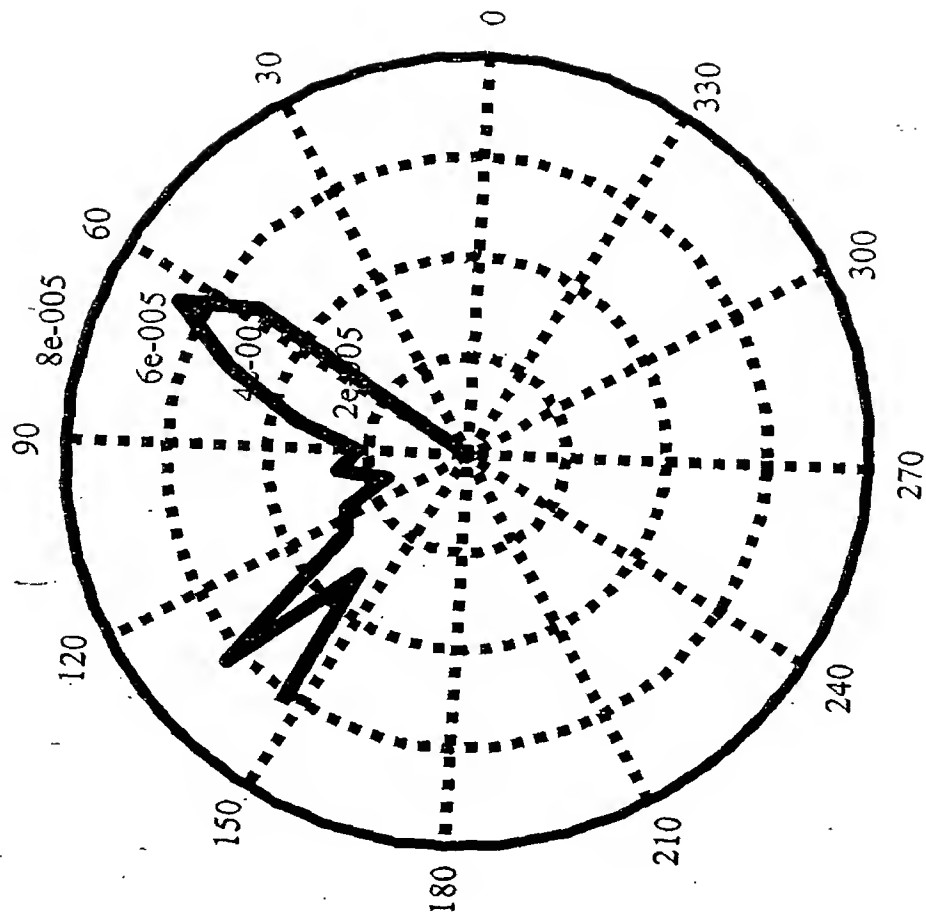


Fig. 22

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Experimental and Calculated Spectra, using soft particles optical properties

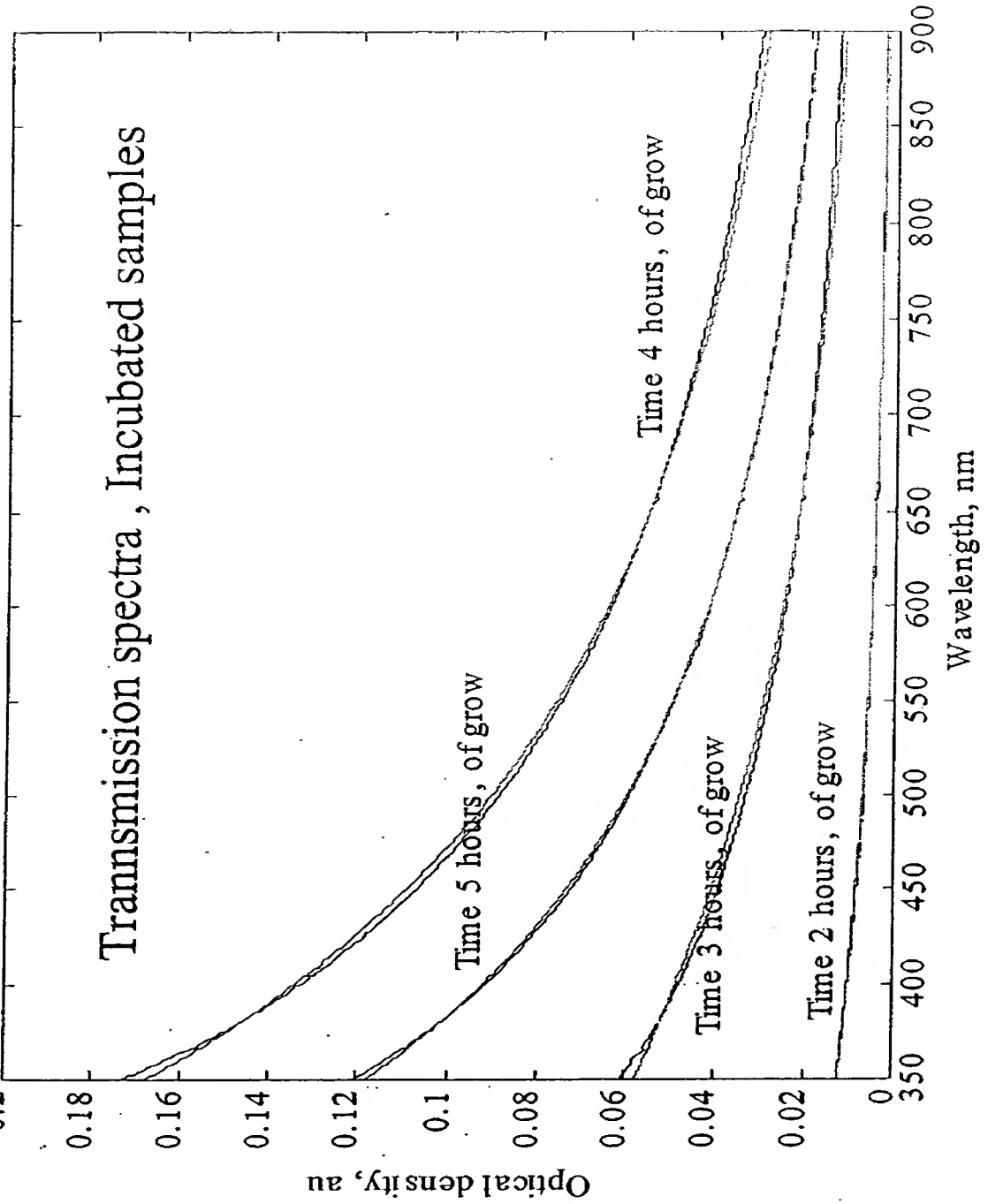


Fig. 23

Title: Methods, Compositions and Kits for Biological
Indicator of Sterilization Inventors: Ira Cecil
Felkner, et al. Appl. No.: 10/091,260
Atty Docket No. 61-205 Cust. No. 000570